References

A

- AASHTO Task Force on Geometric Design. 1999. *Guide for the Development of Bicycle Facilities*. Guide prepared for American Association of State Highway and Transportation Officials.
- Alpine Environmental Resources. 2007a. U.S. Army Corps of Engineers Wetland Delineation Report on Proposed SR-12 Roadway Improvement Project Located Between Escalante and Boulder, Garfield County, Utah. Report prepared for UDOT and H.W. Lochner. March.
- ———. 2007b. Final Biological Assessment for the Proposed Improvements to State Route 12 from Escalante to Boulder, Garfield County, Utah. Report prepared for UDOT, Grand Staircase-Escalante National Monument, and H.W. Lochner. September.

American Antiquities Act of 1906, 16 USC 431-433.

Americans with Disabilities Act of 1990.

- Angus, Allysia, Sharen Hauri, and Rici Peterson. 2007. *Scenic Byway 12 Signage and Interpretive Master Plan*. Plan prepared for Scenic Byway 12 Committee.
- Angus, Allysia, Gael Hill, Shane Luck, and Ken Sizemore. 2001. Scenic Byway 12 Corridor Management Plan. Plan prepared for Garfield County and Wayne County Commissions. December.
- Atwood, D., J. Holland, R. Bolander, B. Franklin, D.E. House, L. Armstrong, K. Thorne, and L. England. 1991. *Utah Endangered, Threatened, and Sensitive Plant Field Guide*. USDA Forest Service Intermountain Region: Ogden, Utah.

<u>B</u>

- [BLM] Bureau of Land Management. [No date]a. *Grand Staircase-Escalante National Monument Recreation Activites*. http://www.blm.gov/ut/st/en/fo/grand_staircase-escalante/visitor_information/recreation_activities.html. Accessed 15 May 2008.
- ——. [No date]b. *Grand Staircase-Escalante National Monument Travel Brochure and Map.* http://www.blm.gov/ut/st/en/fo/grand staircase-escalante/visitor information/travel brochure .html. Accessed 15 May 2008.
- ——. [No date]c. Existing Planning Decisions for Eligible and Suitable Wild and Scenic Rivers. http://www.blm.gov/ut/st/en/prog/blm special areas/wild and scenic rivers/existing planning.html. Accessed 15 May 2008.
- ——. [No date]d. *Grand Staircase-Escalante National Monument, Soil, Water, and Air Inventory and Research.*http://www.blm.gov/ut/st/en/fo/grand_staircase-

- <u>escalante/programs/soils</u> <u>hydrology/projects/soil</u> <u>water</u> <u>and air/air.html</u>. Accessed 15 May 2008.
- [BLM] Bureau of Land Management, Grand Staircase-Escalante National Monument. 2000. *Grand Staircase-Escalante National Monument Approved Management Plan Record of Decision*. Cedar City: February.
- [BLM] Bureau of Land Management, Grand Staircase-Escalante National Monument. 1999. Grand Staircase-Escalante National Monument Proposed Management Plan Final Environmental Impact Statement. Cedar City: July.
- [BLM] Bureau of Land Management. 1995. Interim Management Policy for Lands Under Wilderness Review. 5 July.
- [BLM] Bureau of Land Management. 1993. 8351—Wild and Scenic Rivers—Policy and Program Direction for Identification, Evaluation, and Management. 22 December.
- [BLM] Bureau of Land Management. 1991. *Utah Statewide Wilderness Study Report*. Salt Lake City, Utah.
- [BLM] Bureau of Land Management. 1988. National Environmental Policy Act Handbook. October.
- Berna, Jeffrey. 2005. Personal correspondence between Berna, FHWA, and Amy Heuslein of the Bureau of Indian Affairs—Western Regional Office informing her of the project and requesting the bureau's participation. 5 April.
- Bicycle Transportation and Pedestrian Walkways Legislation, 23 USC 217.
- Blahna, Dale J., Steven W. Burr, Erin Leary, Adam Neidig, Doug Reiter, and Nathan Wagoner. 2004. *Grand Staircase-Escalante National Monument Front Country Visitor Study: Summary Results from Year One Pilot Study.* Report prepared for BLM. February.
- Bulloch Brothers Engineering, Inc. 1999. *Drinking Water Source Protection Plan*. Report prepared for Calf Creek Spring, Garfield County, Utah. December.

<u>C</u>

- CEQ Regulation, Section 1508.4, 23 CFR 771.117(c).
- Chapman, P. 2007. Personal correspondence between Chapman, BLM, and Andrea Clayton of H.W. Lochner regarding grants obtained through Section 6(f) of the Land and Water Conservation Fund Act. 11 May.
- Clark, R. 2007. Personal communication between Clark, Department of Environmental Quality—Division of Air Quality, and Ross Peterson of H.W. Lochner regarding air quality. 27 August.

- Clayton, Andrea. 2007. Personal communication between Clayton, H.W. Lochner, and Carl Adams of DWQ regarding the *Escalante River Watershed, Water Quality Management Plan*. 23 July.
- Clayton, Andrea. 2006. Existing Conditions Technical Memorandum between Clayton, H.W. Lochner, and H.G. Kunzler of H.W. Lochner. 20 February.
- Clayton, Andrea and Mike Brehm. 2006. SR-12 Escalante to Boulder: Technical Memorandum between Clayton (H.W. Lochner), Brehm (Brehm Environmental), and Rick Torgerson of UDOT. 16 February.
- Clean Air Act of 1990, 42 USC 7401 et. seq.
- Coffman, Zail, Jack Stuster, and Davey Warren. 1998. Synthesis of Safety Research Related to Speed and Speed Management. Report prepared for FHWA and the National Highway Traffic Safety Administration. July.
- Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 USC 9601.

D

- [DERR] Utah Division Environmental Response and Remediation. [No date]a. *Interactive Map of Environmental Sites*. http://www.atlas.utah.gov/deqderr/. Accessed 3 October.
- ——. [No date]b. *Spills Incident Database*. http://www.superfund.utah.gov/spills.htm. Accessed 3 October 2007.
- [DWQ] Utah Department of Environmental Quality, Division of Water Quality. 2006a. *Utah* 2006 *Integrated Report, Volume I*—305(b) *Assessment*. 15 June.
- ——. 2006b. *Utah's* 2066 *Integrated Report, Volume II*—303(d) *List of Impaired Waters.* 1 April.
- [DWR] State of Utah, Division of Wildlife Resources. 2007. *County Lists of Utah's Federally Listed Threatened (T), Endangered (E), and Candidate (C) Species.* August.
- [DWR] State of Utah, Division of Wildlife Resources. 2006. *Utah's State Listed Species by County*. October.
- [DWS] Utah Department of Workforce Services. [No date]. *Department of Workforce Services Database*. http://jobs.utah.gov/jsp/wi/utalmis/default.do. Accessed 10 October.
- Department of Transportation Act of 1966, Section 4(f), 49 USC 303.
- Dixie National Forest Intermountain Region. 1974. USDA Forest Service Environmental Statement, Boulder-Grover Road. February.
- Doelling, H.H. 1975. *Geology and Mineral Resources of Garfield County, Utah,* Utah Geological and Mineral Survey Bulletin 107. 175 pp., map scale 1:250,000.

Doelling, H.H., R.E. Blackett, A.H. Hamblin, J.D. Powell, and G.L. Pollock. 2000. *Geology of Grand Staircase-Escalante National Monument, Utah*.

E

[EPA] U.S. Environmental Protection Agency. 2002. Sole Source Aquifer Determination for Glen Canyon Aquifer System, Moab, Utah. http://www.epa.gov/fedrgstr/EPA-water/2002/January/Day-07/w297.htm. Accessed 24 July 2007.

Eagle Protection Act of 1940, 16 USC 668.

EarthTouch, Inc. 2006. *Preliminary Biological Baseline Study of a Proposed Project Area Along State Route 12 Between Escalante and Boulder in Garfield County, Utah.* Report prepared for H.W. Lochner. 23 February.

Endangered Species Act of 1973, 16 USC 1531 to 1543.

Equal Employment Opportunity Commission and the U.S. Department of Justice. 1993. *Americans with Disabilities Act Handbook.* Los Angeles: BNi Building News.

Escalante-Boulder Chamber of Commerce. 2007. Personal communication between Chamber and Renee Zollinger of Environmental Performance Group regarding public services. 5 October.

Executive Order (EO) 13112 Invasive Species. 3 February 1999.

EO 12898 Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations. 1994.

EO 11988 Floodplain Management. 24 May 1977.

<u>F</u>

[FHWA] Federal Highway Administration Technical Advisory T6640.8A.

[FHWA] Federal Highway Administration. [No date]a. Section 4(f) Evaluation. http://www.environment.fhwa.dot.gov/projdev/4feval.asp. Accessed 10 October 2007.

 .	[No	date]b.	Bicycle	and	Pedestrian	Provisions	of	the	Federal-A	Aid Prog	zram.
	http://	www.fhwa	a.dot.gov	/envir	onment/bike	eped/bp-brod	h.ht	<u>m</u>	Accessed	October	15,
	2007.										

——. [No date]c. *Questions and Answers on the Application of the Section 4(f)* De Minimis *Impact Criteria*. http://www.fhwa.dot.gov/HEP/qasdeminimus.htm. Accessed 5 March 2007.

[FHWA] Federal Highway Administration. 2005. Section 4(f) Policy Paper. 1 March.

[FHWA] Federal Highway Administration. 2003. *Manual on Uniform Traffic Control Devices for Streets and Highways*, 2003 Edition Including Revision 1 dated November 2004.

Federal-Aid Highway Act of 1970, 23 USC 109(h).

Federal Farmland Protection Policy Act, 7 USC 4201 et seq.

Federal Land Policy and Management Act of 1976, Section 603, 43 USC 1782.

Federal Law, 23 CFR 771.111(f).

Federal Law, 23 CFR 774.

Federal Law, 36 CFR 60.4.

Federal Law, 40 CFR 93.

Federal Law, 36 CFR 800.16.

Fish and Wildlife Conservation Act of 1958, 16 USC 2901 to 2911.

- Franklin, M.A. "Ben." 2005. Plant Information Compiled by the Utah Natural Heritage Program: A Progress Report. Report prepared for Utah Reclamation Mitigation and Conservation Commission Cooperative Agreement Number 1-FC-UT-00840. December.
- Fridell, Richard A., Megan K. Morvilius, and Kevin K. Wheeler. 2004. *Inventory and Distribution of Fish in the Escalante River and Tributaries, Grand Staircase-Escalante National Monument, Utah* 2003. Report prepared for DWR. January.

<u>G</u>

- Glidden, Laurel H. 2007a. Personal correspondence between Glidden, UDOT Region Four, and Leigh Kuwanwisiwma of the Hopi Cultural Preservation Office regarding the results of the Class I existing data review. 9 August.
- ———. 2007b. Personal correspondence between Glidden, UDOT Region Four, and Matthew Seddon of the Utah Division of State History regarding the Determination of Adverse Effect. 4 October.
- ———. 2007b. Personal correspondence between Glidden, UDOT Region Four, and Leigh Kuwanwisiwma of the Hopi Cultural Preservation Office regarding the findings of a historic site in the project area. 10 October.

Н

H.W. Lochner. 2006. SR-12 Improvement Study, Escalante to Boulder: Context Sensitive Solutions Phase I, Problem Identification and Needs Assessment Report Draft. Report prepared for UDOT. February.

- ——. 2006b. SR-12 Improvement Study, Escalante to Boulder: Context Sensitive Solutions Phase I, Conceptual Solutions Summary Report. Report prepared for UDOT. March.
- Hankins, J. 2007. U.S. Army Corps of Engineers Wetland Delineation Report on Proposed SR-12 Roadway Improvement Project Located Between Escalante and Boulder, Garfield County, Utah. Report prepared for UDOT. March.
- Harty, K.M. 1991. *Landslide Map of Utah*, Utah Geological and Mineral Survey Map 133. 28 pp., map scale 1:500,000.
- Hayden, Martha. 2007. Personal correspondence between Hayden, Utah Geological Survey, and Josh C. Whiting of Montgomery Archaeological Consultants regarding the Utah Geological Survey's paleontological file search. 16 January.

<u>K</u>

- Kuwanwisiwma, Leigh. 2007a. Personal correspondence between Kuwanwisiwma, Hopi Cultural Preservation Office, and Edward T. Woolford of FHWA regarding the Tribe's interest in any cultural resource reports for the project area. January 30.
- ———. 2007b. Personal correspondence between Kuwanwisiwma, Hopi Cultural Preservation Office, and Laurel H. Glidden of UDOT Region Four regarding the Tribe's review of the cultural resources survey report. August 21.
- ———. 2007c. Personal correspondence between Kuwanwisiwma, Hopi Cultural Preservation Office, and Laurel H. Glidden of UDOT Region Four regarding the Tribe's review of a historic site finding in the project area. 25 October.

L

Leonard, John. 2002. *Operational Safety Report*. Report prepared for Thomas Christensen of UDOT Region Four. 17 September.

<u>M</u>

- Millennium Science and Engineering, Inc. 2003. Escalante River Watershed, Water Quality Management Plan. Report prepared for Utah Department of Environmental Quality, Division of Water Quality.
- Machado, Carlos C. 2007. Personal correspondence between Machado, FHWA, and Shane Marshall of UDOT regarding Section 4(f) *De Minimis* Impacts Finding Concurrence Request. 27 July.
- Martineau, Dorena. 2005. Personal correspondence between Martineau, Paiute Indian Tribe of Utah, and Jeffery Berna of FHWA regarding archaeological resources in the project area. 29 April.
- Martinez, A. J. 1992. Personal correspondence between Martinez, BLM, and Sterling C. Davis of UDOT regarding RS-2477. 15 December.

Mermejo, Dave. 2005. Personal communication between Mermejo, BLM, and Kim Clark of H.W. Lochner at a WSA field meeting regarding WSA boundaries. 26 July.

Migratory Bird Treaty Act of 1918, 16 USC 701 to 715s.

Montgomery Archaeological Consultants. 2005. Class I Existing Data Review of the State Road 12 Improvement Project from Escalante to Boulder, Garfield County, Utah. Prepared for UDOT Region Four. 14 April.

Montgomery, Keith R. 2007. Cultural and Fossil Resource Inventory for Utah Department of Transportation's State Route 12 Improvement Project Between Escalante and Boulder, Garfield County, Utah Draft. Report prepared for UDOT. 26 September.

<u>N</u>

National Center for Education Statistics. [No date]. *Build a Table Online Application*. http://nces.ed.gov/ccd/bat. Accessed 15 May 2008.

National Scenic Byways Program, 23 USC 162.

[NRCS] Natural Resource Conservation Service. [No date]a. Web Soil Survey 2.0 Natural Cooperative Soil Survey, Soil Map—Grand Staircase-Escalante National Monument Area, Parts of Kane and Garfield Counties, Utah and Panguitch Area, Parts of Garfield, Iron, Kane, and Piute Counties, Utah. http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx. Accessed 22 October 2007.

——. [No date]b. Web Soil Survey 2.0 Natural Cooperative Soil Survey, Soil Map—Grand Staircase—Escalante National Monument Area, Parts of Kane and Garfield Counties, Utah and Panguitch Area, Parts of Garfield, Iron, Kane, and Piute Counties, Utah. http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx. Accessed 22 October 2007.

National Historic Preservation Act of 1966, as amended through 2000, 16 USC 470 et seq.

Native American Graves Protection and Repatriation Act of 1990, 43 CFR 10.

0

Oliver, George V. 2000. *The Bats of Utah, a Literature Review*. Report prepared for Utah Reclamation Mitigation and Conservation Commission and the U.S. Department of the Interior. April.

<u>P</u>

Procedures for Abatement of Highway Traffic Noise and Construction Noise Legislation, 23 CFR 772. September 18, 1982.

<u>R</u>

Roberts, Steven. 2007. Personal correspondence between Roberts, USACE—St. George Regulatory Office, and the personnel of H.W. Lochner regarding USACE's concurrence with

Lochner's wetland delineation and identification of the waters of the U.S. in the project area. 27 August.

Romin, Laura A., and James A. Muck. 2002. *Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances*. Plan prepared for U.S. Fish and Wildlife Service, Utah Field Office. January.

Resource Conservation and Recovery Act of 1976, 42 USC s/s 6901 et seq.

Revised Statute 2477 of 1866.

Rice, Steven E. and Dr. Abraham Springer. 2006. Level 2 Springs Inventory of the Escalante River Headwaters Area, Grand Staircase-Escalante National Monument. Report prepared for BLM, Grand Staircase-Escalante National Monument. 30 September.

Rivers and Harbors Act of 1899, Section 10, 33 USC 403.

Rogers, Jack R. 1999. *Preliminary Evaluation Report*. Report prepared for The East Side Water Company.

<u>S</u>

[SAFETEA-LU] Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users, Section 6009. 10 August 2005.

Safe Drinking Water Act, 40 CFR 141 to 142. 1974.

- Shover, Randi. 2006. *Phase I Public Involvement Summary, SR-12 Environmental Study.* Report prepared for UDOT. 1 March.
- Skyline Forest Products, Inc. 2007. Personal communication between a Human Resource representative and Renee Zollinger of Environmental Performance Group regarding the number of employees and location of employee base. 9 October.
- SoilCrust. [No date]. *An Introduction to Biological Soil Crusts*. http://www.soilcrust.org/crust101.htm. Accessed 10 October 2007.
- South Central Communications. 2007. Personal communication between a Human Resource representative and Renee Zollinger of Environmental Performance Group regarding the number of employees and location of employee base. 9 October.
- Sprinkel, D.A., T.C. Chidsy Jr., and P.B. Anderson, editors. 2000. *Geology of Utah's Parks and Monuments*. Utah Geological Association Publication 28.

T

Taylor, Randall. 2007. Personal correspondence between Taylor, UDOT Region 4, and Paul Chapman of BLM regarding Section 4(f) *De Minimis* Impacts Finding Concurrence Request. 16 April and 27 April.

Tolbert, Terry. 2006. Personal communication between Tolbert, Grand Staircase-Escalante National Monument and Alpine Environmental personnel regarding potential impacts to wildlife and threatened and endangered species.

U

- [UDOT] Utah Department of Transportation Traffic Noise Abatement Policy 08 A2-1. March 8, 2004.
- [UDOT] Utah Department of Transportation. 2008. 2008 Standard Specifications for Road and Bridge Construction. 1 January.
- [UDOT] Utah Department of Transportation. 2007. Determination of Eligibility and Finding of Effect. October.
- [UDOT] Utah Department of Transportation. 2006. UDOT Air Quality Hot Spot Manual. March.
- [UDOT] Utah Department of Transportation. 2005a. *Utah Department of Transportation Resurfacing, Restoration, and Rehabilitation (3R) Standards for Non-Freeway Systems.* January.
- ———. 2005b. 2005 Standard Specifications for Road and Bridge Construction. 1 January.
- ——. 2005c. Calf Creek Structure Inventory. 1 February.
- [UDOT] Utah Department of Transportation. 2004. UDOT Guidance on Purpose and Need Statements. July.
- [UDOT] Utah Department of Transportation, Region Four Construction Division. 2002. SR-12 and SR-63 Corridor Transportation Plan. March.
- Utah Office of Tourism. [No date]. *Garfield County Tourism Profile*. http://travel.utah.gov/research and planning/economic planning/index.html. Accessed 10 October 2007.
- [USACE] U.S. Army Corps of Engineers, Waterways Experiment Station. 1987. Corps of Engineers Wetlands Delineation Manual. January.
- [USACE] U.S. Army Corps of Engineers, Engineer Research and Development Center. 2006. Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region. January.
- [USFWS] U.S. Department of the Interior, Fish and Wildlife Service, Region Two. 2004. Environmental Assessment for Designation of Critical Habitat for the Mexican Spotted Owl. 18 August.

- U.S. Geological Survey. 2002. *Quaternary Fault and Fold Database for the United States*, Escalante 1° x 2° sheet. http://earthquake.usgs.gov/regional/qfaults/ut/esc.html. Accessed 31 October 2007.
- U.S. Department of Health and Human Services. 2007. Poverty Guidelines.
- Utah State University. 2007. Grand Staircase-Escalante National Monument Front Country Visitor Study: Some Results and Key Findings. Presentation 17 May by Dr. Steve Burr, Institute for Outdoor Recreation and Tourism. Available online at http://travel.utah.gov/documents/GS-ENM-ImportanceofTourismResearch5-17-07.pdf.
- U.S. Census Bureau. [No date]a. 2000 Statistical Data on Escalante, Boulder, and Garfield County.

 http://factfinder.census.gov, http://censtats.census.gov, http://www.census.gov.

 Accessed 5 October 2007.
- U.S. Census Bureau. [No date]b. *American Fact Finder Online Database*. http://factfinder.census.gov/home/saff/main.html. Accessed 7 October 2007.
- U.S. Department of Transportation and FHWA. 1995. *Highway Traffic Noise Analysis and Abatement Policy and Guidance*. June.
- U.S. Soil Conservation Service. 1999. *Soil Survey of the Panguitch Area, Utah,* Parts of Garfield, Iron, Kane, and Piute Counties. 354 pp., map scale 1:24,000.

Utah Administrative Code (UAC) R655-13, Stream Alteration.

UAC R317-8, Utah Pollutant Discharge Elimination System (UPDES).

UAC R317-2, Standards of Quality for Waters of the State.

UAC R309-600, Drinking Water Source Protection for Groundwater Sources.

UAC R317-2-3, Anti-Degradation Policy.

UAC R68-9, Utah Noxious Weed Act.

UAC—Title 19—Environmental Quality Code.

UAC 41-6a-706.5.

UAC 63-73-19.

UAC 72-5-104.

UAC 72-6-111 and 112.

- Utah Governor's Office of Planning and Budget, USU College of Natural Resources, and Utah Division of Indian Affairs. 2003. *Garfield County Profile*. Report prepared for Dixie, Fishlake, and Manti-La Sal National Forests. December.
- Utah Native American Graves Protection and Repatriation Act of 1992, UAC 9-9-401 to 403.
- Utah Tax Commission. [No date]. *Utah State Tax Commission Property Division, Property Tax Information for* 2007. http://propertytax.utah.gov/. Accessed 12 October 2007.

<u>W</u>

- Waidelich, Walter. 2007. Personal correspondence between Waidelich, FHWA, and Wilson Martin of Division of State History regarding Section 4(f) *De Minimis* Determination, pursuant to SAFETEA-LU Section 6009. 12 June.
- Watanabe, Judy. 2007. Personal communication between Watanabe, Utah National Flood Insurance Program Coordinator, and Brian Shewell of H.W. Lochner regarding FEMA floodplain mapping. 4 September.
- Weir, G.W. and L.S. Beard. 1990. *Geologic Map of the Calf Creek Quadrangle, Garfield County, Utah,* Utah Geological and Mineral Survey Map 120. 5 pp., map scale 1:24,000.
- Welsh, S.L., N.D. Atwood, S. Goodrich, and L.C. Higgins. 1993. *A Utah Flora*, Second Edition, revised. Brigham Young University Press: Provo, Utah.
- Wild and Scenic Rivers Act of 1968, Public Law 90-542, as amended, 16 USC 1271 to 1287.
- Wilderness Act of 1964.
- Williams, V.S., G.W. Weir, and L.S. Beard. 1990. *Geologic Map of the Escalante Quadrangle, Garfield County, Utah*, Utah Geologic and Mineral Survey Map 116. 6 pp., map scale 1:24,000.
- Woolford, Edward T. 2007a. Personal correspondence between Woolford, FHWA, and Dorena Martineau of the Paiute Indian Tribe of Utah requesting the Tribe's participation as a consulting party. 9 January.
- ——. 2007b. Personal correspondence between Woolford, FHWA, and Glenn Rogers of Shivwits Band, Paiute Indian Tribe of Utah regarding project improvements. 17 January.